

## ABSTRACT

A managing method for a multimedia file includes the steps of:  
generating index information including a source identifier expressing a  
5 source having one or more of management units associated with the  
multimedia file as a title frame, positions of a leading frame and tail frame  
of the title frame in the source, and a position of a reference frame for  
decoding the leading frame; and recording the index information onto a  
recording medium, attaching the index information to the multimedia file.

10 The managing method for a multimedia file may include the steps of:  
causing a user to specify one or more of the management units associated  
with the multimedia file as a title frame; generating index information in  
which a bit stream obtained by encoding a specified title frame is embedded,  
and recording the index information onto a recording medium, attaching  
15 the index information to the multimedia file.